CLAIMS

1. Device (1) for securing at least one optical fibre (2; 3; 4; 5) to an optical apparatus (6), the said optical apparatus (6) comprising at least one photo-element (20; 21; 22; 23) mounted on a supporting element (24) and at least one optical fibre (2; 3; 4; 5) which can be connected to the said photo-element (20; 21; 22; 23) by means of the said securing device (1), characterized in that at least a part of the said securing device (1) is made from a transparent material which makes a region of the coupling between the fibre and the photo-element visible.
2. Securing device (1) according to claim 1, characterized in that it comprises a cover (14) made from transparent material.
3. Securing device (1) according to claim 1, characterized in that the said supporting element (24) is made from transparent material.
4. Securing device (1) according to any one of the preceding claims 1 to 3, characterized in that the said transparent material is selected from the group comprising glass, polycarbonate (PC), polymethyl methacrylate (PMMA), polystyrene (PS), acrylonitrile-styrene (SAN), acrylonitrile-butadiene-styrene (ABS), polyphenylene oxide (PPO), polyurethane (PUR), polysulphone (PSU), polyamide (PA), polyvinyl chloride (PVC), and polyphenylene sulphide (PPS).
5. Device (1) for securing at least one optical fibre (2; 3; 4; 5) to an optical apparatus (6), the said optical apparatus (6) comprising at least one photo-element (20; 21; 22; 23), at least one optical fibre (2; 3; 4; 5) which can be connected to the said photo-element (20; 21; 22; 23), and at least one supporting element (24) provided with at least one guide hole (25) for the said at least one optical fibre (2; 3; 4; 5), characterized in that it comprises a slide (7) provided with at least one slot (8), the said slide (7) assuming a first and a second predetermined position, the said slot (8), in the said first position of

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the said slide (7), being coaxial with the said hole (25) of the said supporting element (24) and freely housing the said optical fibre (2; 3; 4; 5), and the said slot (8), in the said second position of the said slide (7), being out of alignment with the said hole (25) and exerting on the said optical fibre (2; 3; 4; 5) a force which keeps the optical fibre (2, 3, 4, 5) secured in the said hole (25).

6. Securing device (1) according to claim 5, characterized in that the said slide (7) is provided with at least two slots (8).
7. Securing device (1) according to claim 6, characterized in that the said optical apparatus (6) is provided with at least two optical fibres (2, 3, 4, 5).
8. Securing device (1) according to claim 5, characterized in that it comprises a cover (14) provided with at least one hole (15) for the passage of the said optical fibre (2; 3; 4; 5), the said cover (14) being provided with an enclosure (15) capable of supporting the said slide (7) so that it is free to slide, and of housing elastic means (12) in engagement with the said slide (7) to keep it in the said second position.
9. Securing device (1) according to claim 5, characterized in that the said slot (8) comprises a semi-circular portion (9) having a radius greater than that of the said optical fibre (2; 3; 4; 5).
10. Securing device (1) according to claim 9, characterized in that the said semi-circular portion (9) of the said slot (8) has a projecting arm (10).
11. Securing device (1) according to claims 9 and 10, characterized in that the said slot (8) is substantially C-shaped.
12. Securing device (1) according to claim 10, characterized in that the said semi-circular portion (9) has a notch (30) capable of imparting elasticity to the said arm (10).

13. Securing device (1) according to claim 8, characterized in that the said slide (7) is provided with a pin (11) which is used for centring the said elastic means (12).
14. Securing device (1) according to claim 5, characterized in that the said slide (7) is made from transparent material.
15. Securing device (1) according to claim 8, characterized in that the said cover (14) is made from transparent material.
16. Securing device (1) according to claim 5, characterized in that the said supporting element (24) is made from transparent material.
17. Securing device (1) according to any one of the preceding claims 14 to 16, characterized in that the said transparent material is selected from the group comprising glass, polycarbonate (PC), polymethyl methacrylate (PMMA), polystyrene (PS), acrylonitrile-styrene (SAN), acrylonitrile-butadiene-styrene (ABS), polyphenylene oxide (PPO), polyurethane (PUR), polysulphone (PSU), polyamide (PA), polyvinyl chloride (PVC), and polyphenylene sulphide (PPS).

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